Philips
LCD widescreen monitor

19.1" wide
WXGA+

190SW8FB

Move up to widescreen business productivity

Wide screen performance, small screen price tag: With the Vista-ready Philips 190SW8, you can experience the improved business productivity that a wide screen can bring - at a price you'd expect to pay for a smaller conventional model.

Designed for maximum productivity
- Display more images and content without scrolling

Best total cost of ownership solution
- SmartManage compatibility enables LAN-based asset management
- PerfecTune ensures top quality LCD display delivered to you
- Empowered for Windows Vista

Outstanding front of screen performance
- WXGA+, wide format 1440 x 900 resolution for sharper display
- SmartImage: For an optimized display experience
- 5ms fast response time

Great convenience
- Dual input accepts both analog VGA and digital DVI signals
- Hassle-free display performance tuning with SmartControl II
- Embedded power supply eliminates external power adaptors
- Cable management for a tidy work space

PHILIPS
sense and simplicity

LCD widescreen monitor
19.1" wide WXGA+

190SW8FB/27

Specifications

Picture/Display
- LCD panel type: 1440 x 900 pixels, Anti-glare polarizer, RGB vertical stripe
- Panel Size: 19.1"/ 48.1 cm
- Effective viewing area: 16.2 x 10.1 inch
- Pixel pitch: 0.285 x 0.285 mm
- Brightness: 300 cd/m²
- Contrast ratio (typical): 800:1
- SmartContrast ratio (dynamic): 3500:1
- Display colors: 16.7 M
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Response time (typical): 5 ms
- Maximum Resolution: 1440 x 900 @ 75 Hz
- Recommended Resolution: 1440 x 900 @ 60 Hz
- Video Dot Rate: 140 MHz
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 -75 Hz
- Picture enhancement: SmartImage
- sRGB
- Aspect ratio: 16:10
- White Chromaticity, 6500K: x = 0.313 / y = 0.329
- White Chromaticity, 9300K: x = 0.283 / y = 0.297

Connectivity
- Signal Input: Analog (VGA), DVI-D
- Video Sync Input Signal: Composite Sync, Separate Sync, Sync on Green
- Sync input impedance: 2.2k ohm
- Video input impedance: 75 ohm
- Video input signal levels: 0.7 Vpp

Convenience
- Convenience Enhancements: On-screen Display, SmartManage enabled, SmartControl II
- Monitor Controls: SmartImage, Auto (Back), Input (Down), Brightness (Up), Menu (OK), Power On/ Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Plug & Play Compatibility: DDC/CI, Windows 98/ ME/2000/XP/Vista
- Regulatory Approvals: CE Mark, E2000, EMC, Energy Star, FCC-B, UL, CSA, TCO '03, TÜV/GS, TÜV Ergo
- Tilt: -5° to 20°
- VESA Mount: 100 x 100 mm

Accessories
- Included Accessories: AC Power Cord, VGA cable, DVI-D cable
- User Manual

Dimensions
- Box dimensions (W x H x D): 500 x 415 x 149 mm
- Box dimensions in inch (W x H x D): 19.7 x 16.3 x 5.9 inch
- Set dimensions (W x H x D): 452.2 x 303.5 x 61.5 mm
- Set dimensions in inch (W x H x D): 17.8 x 11.9 x 2.4 inch
- Set dimensions with stand (W x H x D): 452.2 x 375.3 x 183.2 mm
- Set dimensions with stand in inch (W x H x D): 17.8 x 14.8 x 7.2 inch
- MTBF: 50,000 (excl. CCFL 40,000) hrs
- Relative humidity: 20% - 80%
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Product weight (+stand): 4.4 kg
- Product weight (+stand) (lb): 9.7 lb
- Weight incl. Packaging: 5.3 kg
- Weight incl. Packaging (lb): 11.7

Power
- Complies with: Energy Star
- Consumption: < 36W
- Consumption (economy mode): 28 W
- Off Mode: < 1 W
- Power LED indicator: Operation - green, Stand by/ sleep - Amber
- Power supply: Built-in, 100-240VAC, 50/60Hz

Product highlights

Large viewing area
Viewing area is the visible portion of a monitor screen available for displaying data.

SmartManage enabled
SmartManage is a system for monitoring, managing and checking status of display devices as well as delivering remote support to users who experience difficulties - all accomplished over a LAN.

PerfecTune
PerfectTune is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of color accuracy and display quality in every new monitor.

Windows Vista ready
Philips Vista-ready monitors are empowered for vibrant, exciting display of this new, visually sophisticated and demanding Windows operating system, designed to enhance your entertainment experience, make you more productive and help you control your computing experience at home and in the office, making viewing, finding and organizing information for work or play quick, efficient and easy.

WXGA+ 1440 x 900 resolution
WXGA+ or Wide Extended Graphics Array plus is a standard indicating a graphics monitor's ability to display up to the resolutions 1440 by 900 pixels and supports simultaneous display of more than one million colors. WXGA allows monitors to be non-interlaced for better display performance and increased color accuracy.

SmartImage
SmartImage is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

5ms on/off response time
On-Off response time is the period required for a liquid crystal cell to go from active (black) to inactive (white) and back to active (black) again. It is measured in milliseconds. Faster is better: Lower response time means faster transitions and, therefore, results in fewer visible image artifacts in the display of transition of texts and graphics. On-Off response time is a more important measure in the display of business content like documents, graphs and photos.

Dual input
Dual input provides connectors to accommodate input of both analog VGA and digital DVI signals.

SmartControl II
SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, color calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

Embedded power supply
An embedded power supply is a power adaptor built into the body of a display device that replaces a bulky external power adaptor.

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